## PATENT COOPERATION TREATY

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INTERNATIONAL SEARCHING AUTH	ORITY			OCT 3 1 2005			
То:		CKETED	PCT	i, i			
JEFFREY A. MICHAEL BARNES & THORNBURG LLP	FOR Reso	me Pres/Con	mets	BARNES & THORNBURG			
11 SOUTH MERIDIAN STREET	BY	WR.	ITTEN OPINION				
INDIANAPOLIS, IN 46204	DATE ///		ONAL SEARCHI				
	CHE'D BY		(PCT Rule 43bis				
	DATE	Date of mailing (day/month/year)	27 (	OCT 2005			
Applicant's or agent's file reference		FOR FURTHER	ACTION See paragraph 2 below	,			
29920-76277 International application No.	International filing date	(day/month/year)	Priority date (day/mo	onth/year)			
PCT/US04/41171	15 November 2004 (15.	nber 2004 (15.11.2004) 14 November 200		14.11.2003)			
International Patent Classification (IPC) or both national classification and IPC							
IPC(7): H01J 49/42 and US Cl.: 250/292	2,282,288						
Applicant							
INDIANA UNIVERSITY RESEARCH	AND TECHNOLOGY						
1. This opinion contains indications rel	ating to the following iten	ns:					
Box No. I Basis of the	opinion						
Box No. II Priority							
Box No. III Non-establi	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability						
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain doc	Certain documents cited						
Box No. VII Certain defe	Box No. VII Certain defects in the international application						
Box No. VIII Certain obs	Box No. VIII Certain observations on the international application						
2. FURTHER ACTION							
If a demand for international prelim International Preliminary Examinin Authority other than this one to be to that written opinions of this Internat	g Authority ("IPEA") enter the IPEA and the chosen	xcept that this does IPEA has notified th	e International Bureau	applicant chooses and			
If this opinion is, as provided above IPEA a written reply together, wh mailing of Form PCT/ISA/220 or be	ere appropriate, with an efore the expiration of 22	iendments, before ti	ne expiration of 5 mc	minis from the date of			
For further options, see Form PCT/ISA/220.							
3. For further details, see notes to Form	m PCT/ISA/220.						
Name and mailing address of the ISA/ I	JS Date of comple opinion	etion of this	Authorized officer	though the			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents	1	2005 (06 00 0005)	John R Lee				
P.O. Box 1450 Alexandria, Virginia 22313-1450	26 September 1	2005 (26.09.2005)	Telephone No. NA				

Facsimile No. (703) 305-3230
Form PCT/ISA/237 (cover sheet) (April 2005)

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US04/41171

Box No. I Basis of this opinion						
1. With regard to the language, this opinion has been established on the basis of:						
the international application in the language in which it was filed						
a translation of the international application into, which is the language of a translation furnished for the						
purposes of international search (Rules 12.3(a) and 23.1(b)).						
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a. type of material						
a sequence listing						
table(s) related to the sequence listing						
b. format of material						
on paper						
in electronic form						
c. time of filing/furnishing						
contained in the international application as filed.						
filed together with the international application in electronic form.						
<u> </u>						
furnished subsequently to this Authority for the purposes of search.						
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.						
4. Additional comments:						
$\cdot$						

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US04/41171

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
1. Statement							
Novelty (NI)	Claims	1-34	YES				
Novelty (N)		NONE	NONO				
Inventive step (IS)		NONE	YES NO				
	Claims	1-34	NO				
Industrial applicability (IA)	Claims	1-34	YES				
	Claims	NONE	NO				
Industrial applicability (IA)							